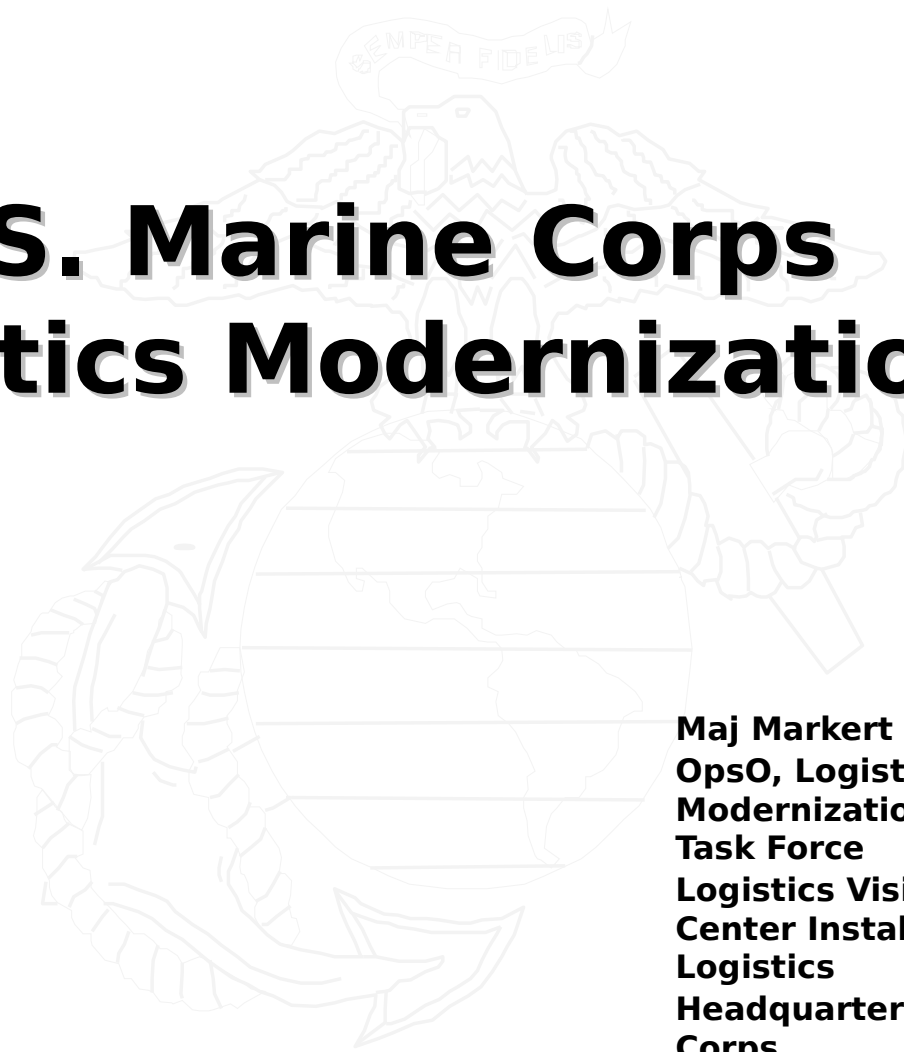


# U.S. Marine Corps Logistics Modernization



**Maj Markert**  
**OpsO, Logistics**  
**Modernization Transition**  
**Task Force**  
**Logistics Vision and Strategy**  
**Center Installations &**  
**Logistics**  
**Headquarters, U. S. Marine**  
**Corps**  
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**13 April 2006**

# Agenda

## ❖ Logistics Modernization Overview

## ❖ Logistics Modernization Initiatives

❖ Logistics Operational Architecture

❖ MLG Reorganization

❖ Logistics Command & Control

❖ Realignment of Maintenance

❖ Realignment of Supply

❖ MAGTF Distribution

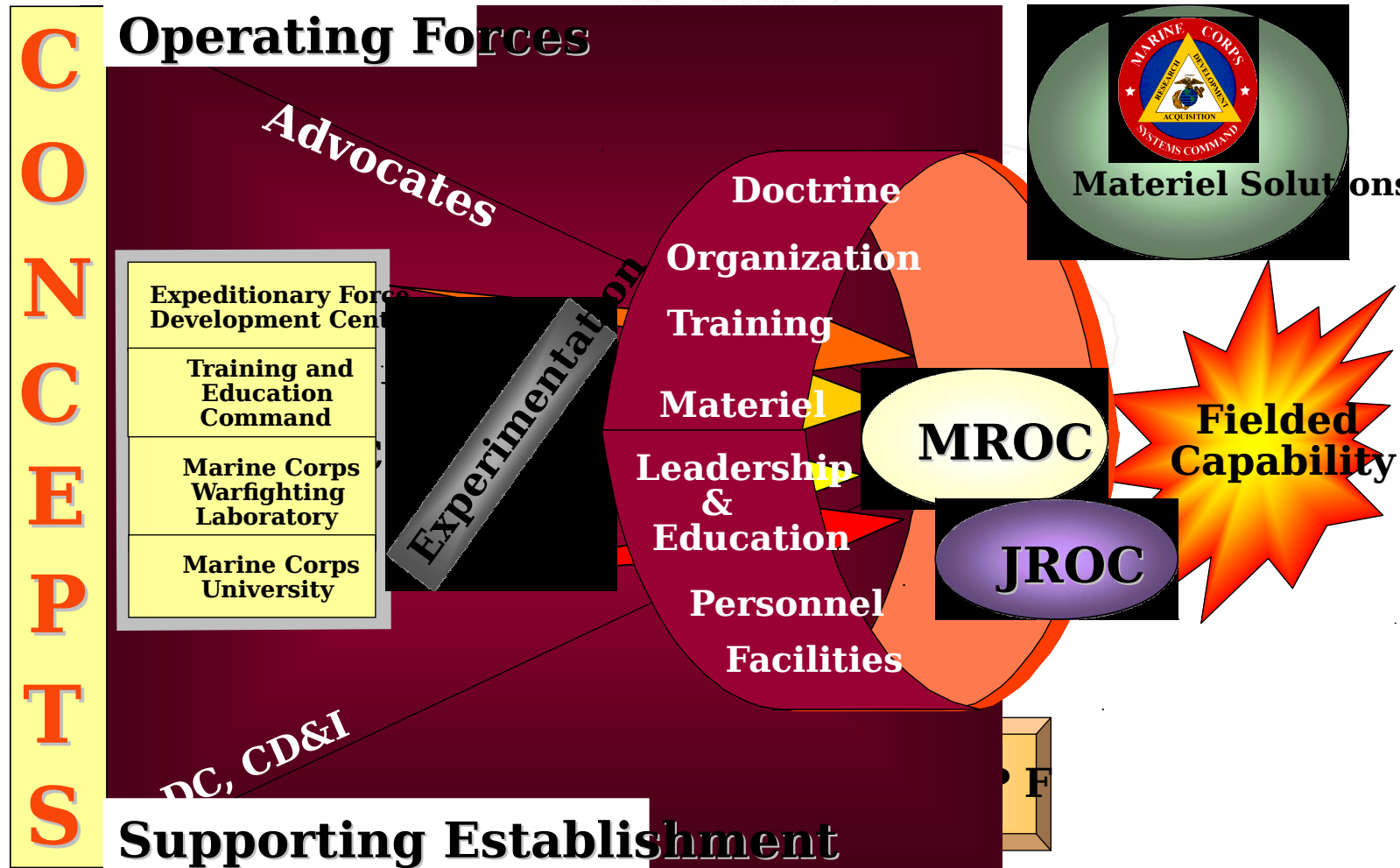
# Logistics Modernization...

## Overview

- **Logistics Modernization (Log Mod) - the largest coordinated and cross-organizational transformation effort ever undertaken to transform USMC logistics**
  - **A three pronged improvement and implementation initiative that focuses on Marine Corps people, process, and technology dimensions**

***“We cannot improve the combat effectiveness of the MAGTF without logistics modernization.” - CMC***

# Log Mod and the EFDS

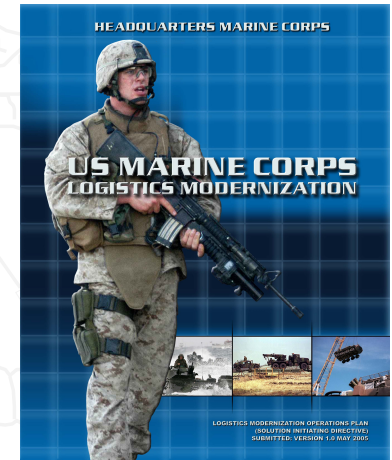


# Expeditionary Force Development System TTF

- Phase I: Force Capability Development
  - DC I&L established the Transition Task Force (TTF) (Jul 05)
  - TTF develop UNS for each Log Mod initiative (Feb 05)
- Phase II: Requirements Development
  - UNS submitted to MCCDC/EFDC (Feb 05)
  - Log Mod and Log Mod Initiatives briefed to DWG (Mar 05)
  - LMDAG established to assess DOTMLPF impact (Apr 05)
    - LMDAG generated taskings that form Log Mod COA and POA&M
  - Results captured in Solution Initiating Directive (SID) (Jul 05)
  - SID forms basis for Solution Planning Directive (SPD) (Jan 06)
- Phase III: Prioritization and Resourcing
  - Prioritize rqmnts for Log Mod & facilitate fielding of GCSS-MC BLK 1
- Phase IV: Capability Fielding and Transition
  - Execute and manage Log Mod taskings established by SPD (Jan 06-2010)

# Logistics Modernization... Initiatives

- **DOTMLPF Change to our People ...**
  - ***Marine Logistics Group Reorganization***
  - **Personnel/Military Occupational Specialty Construct**
  - **Investment in Logistics Training**
- **DOTMLPF Change to our Process ...**
  - ***Logistics Operational Architecture***
  - ***Realignment of Supply***
  - ***Realignment of Maintenance***
  - ***MAGTF Distribution***
- **DOTMLPF Change to our Technology ...**
  - **Modernized and integrated Information technology**
    - ***GCSS-MC*** (Log Chain Mgmt/LCM)
    - Log/MAGTF C2
  - **Deployed/Bridge Solutions**
    - UID/RFID - BCS3 - W2W - TCPT - CLC2S
  - ***MAGTF C2/Logistics C2*** ... **Common Operating Picture and Integration**

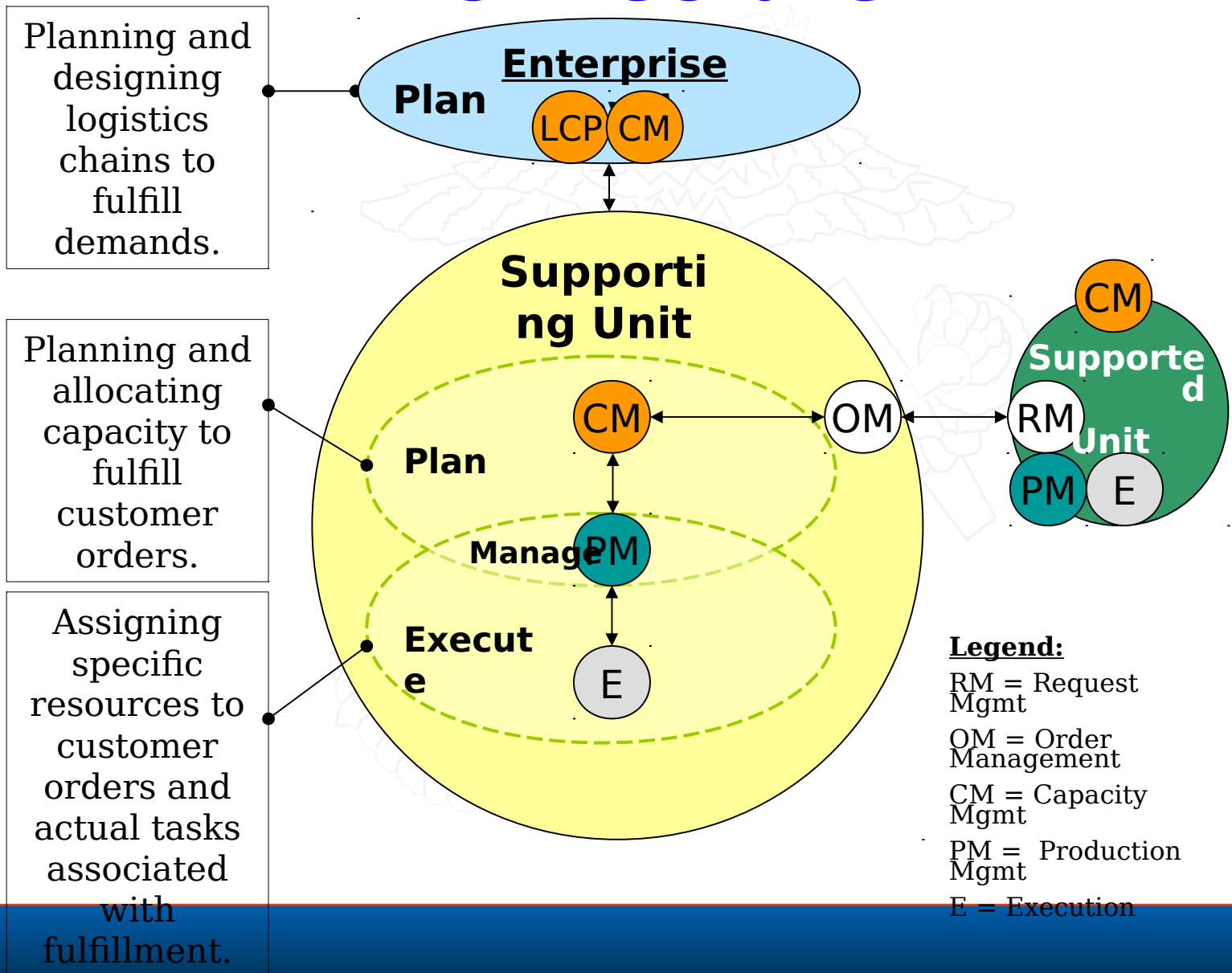




# Six Major Log OA Functions

- RM Request Management:** Function of generating and approving supported unit demands.
- OM Order Management:** Function of routing, coordinating, tasking, and tracking customer orders through to fulfillment.
- CM Capacity Management:** Function of managing, optimizing, prioritizing, and planning resources and capacity to fulfill supported unit demands. Aligns “capability” with demands.
- PM Production Management:** Function of coordinating, planning, tasking, and controlling how customer demands are fulfilled. Assigns specific resources to CSS tasks.
- E Execution:** Function of executing CSS tasks to fulfill customer demands.
- LCP Logistics Chain Planning:** The function of planning and managing the logistics chain and aligning enterprise capacity.

# Logistics Operational Architecture



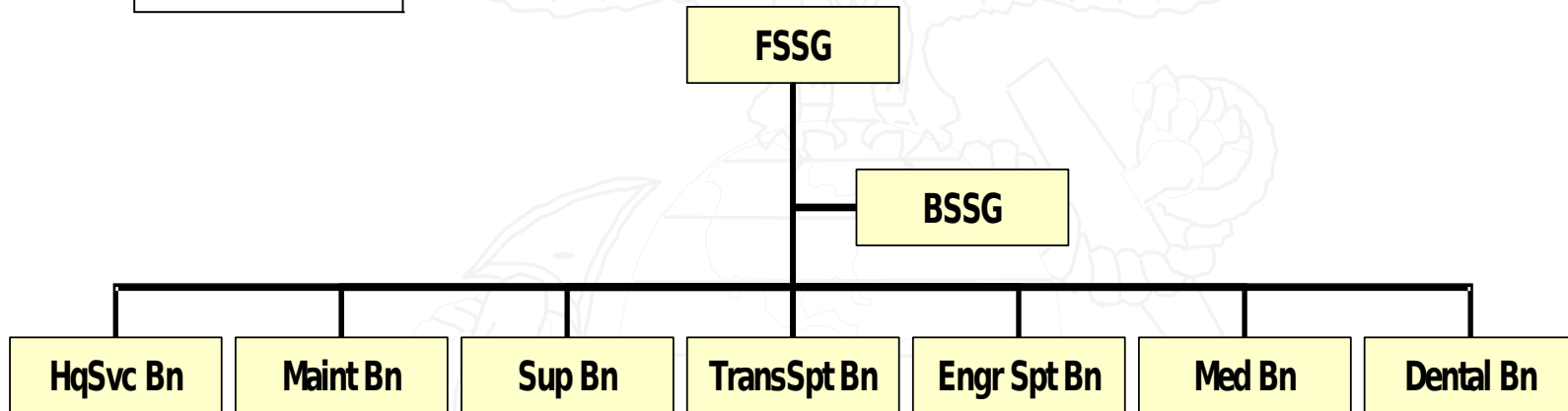


# LCE Realignment

## *FSSG to MLG*

Logistics  
Modernization

**Old FSSG  
Structure**



# MLG Mission & Capabilities

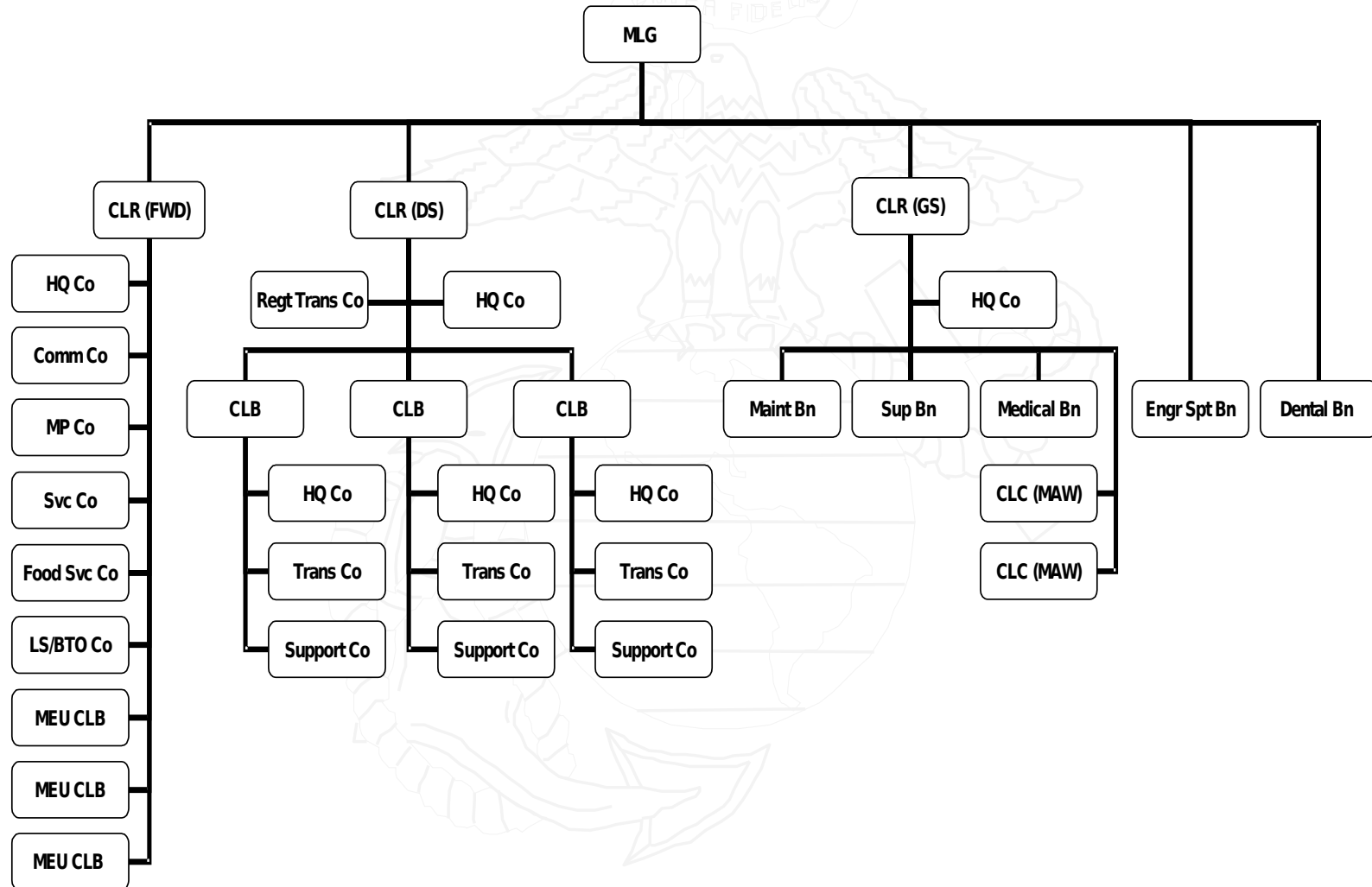
The Marine Logistics Group (MLG) will train, rapidly task organize, deploy, employ, fight and redeploy in order to provide GS and DS logistics combat support to all elements of the Marine Expeditionary Force (MEF) and smaller Marine Air Ground Task Forces, that may be geographically separated, in peacetime as well as wartime, in any environment and across the spectrum of conflict in order to preserve and increase the MEF's combat power.

- **MLG Basic Capabilities:**
  - Provide comprehensive capabilities of current FSSG
  - Provide logistics support capability to the MEF
  - Provide standing multi-functional DS and standing GS functional CSS units to the MEF
  - Capable of rapid and seamless task organizing & deployment

# LCE Realignment

## *FSSG to MLG*

Logistics  
Modernization



# Logistics Command & Control

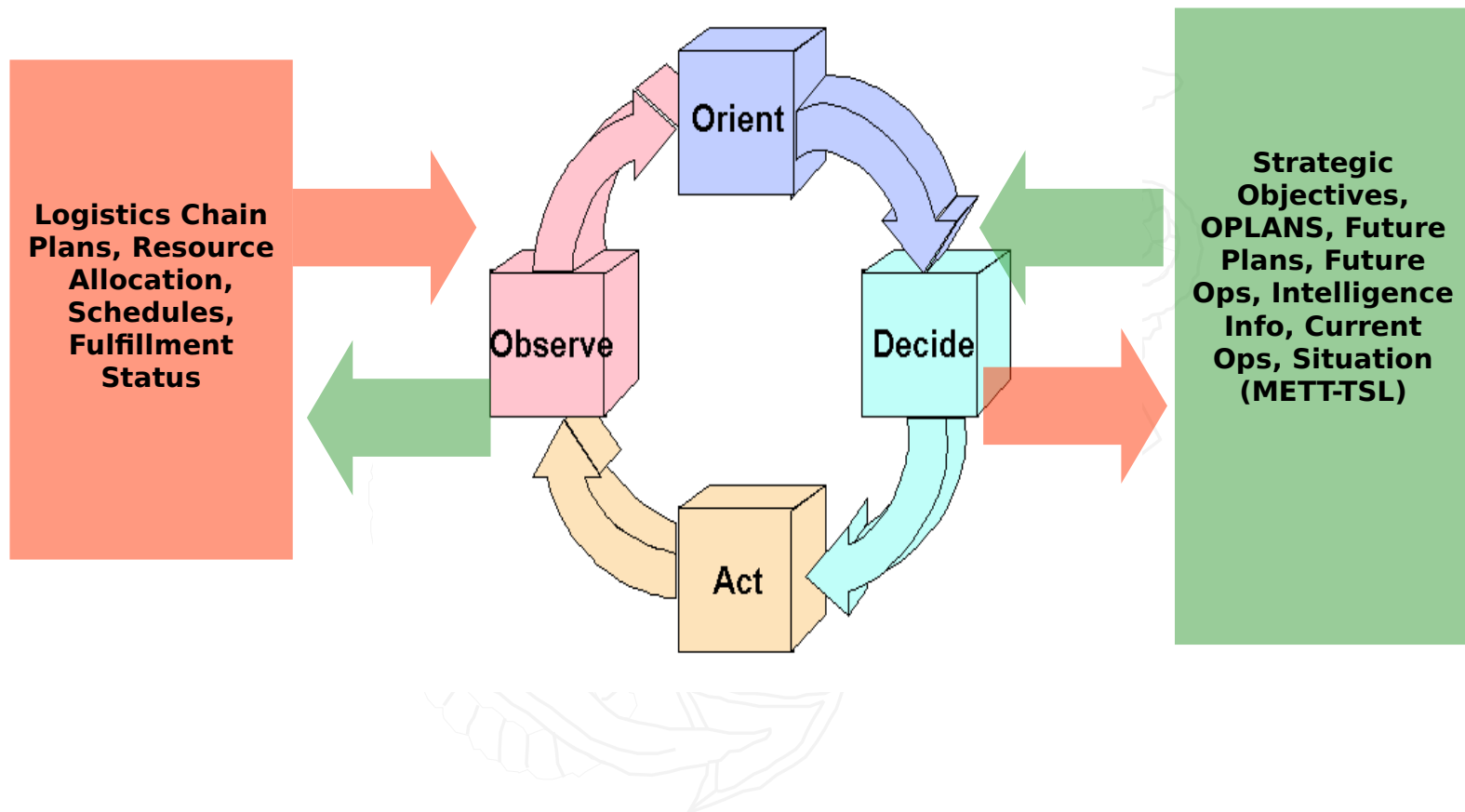
**Logistics Decision Support Requirements**

**Logistics Communications Infrastructure**

- **Personnel**
- **Equipment**

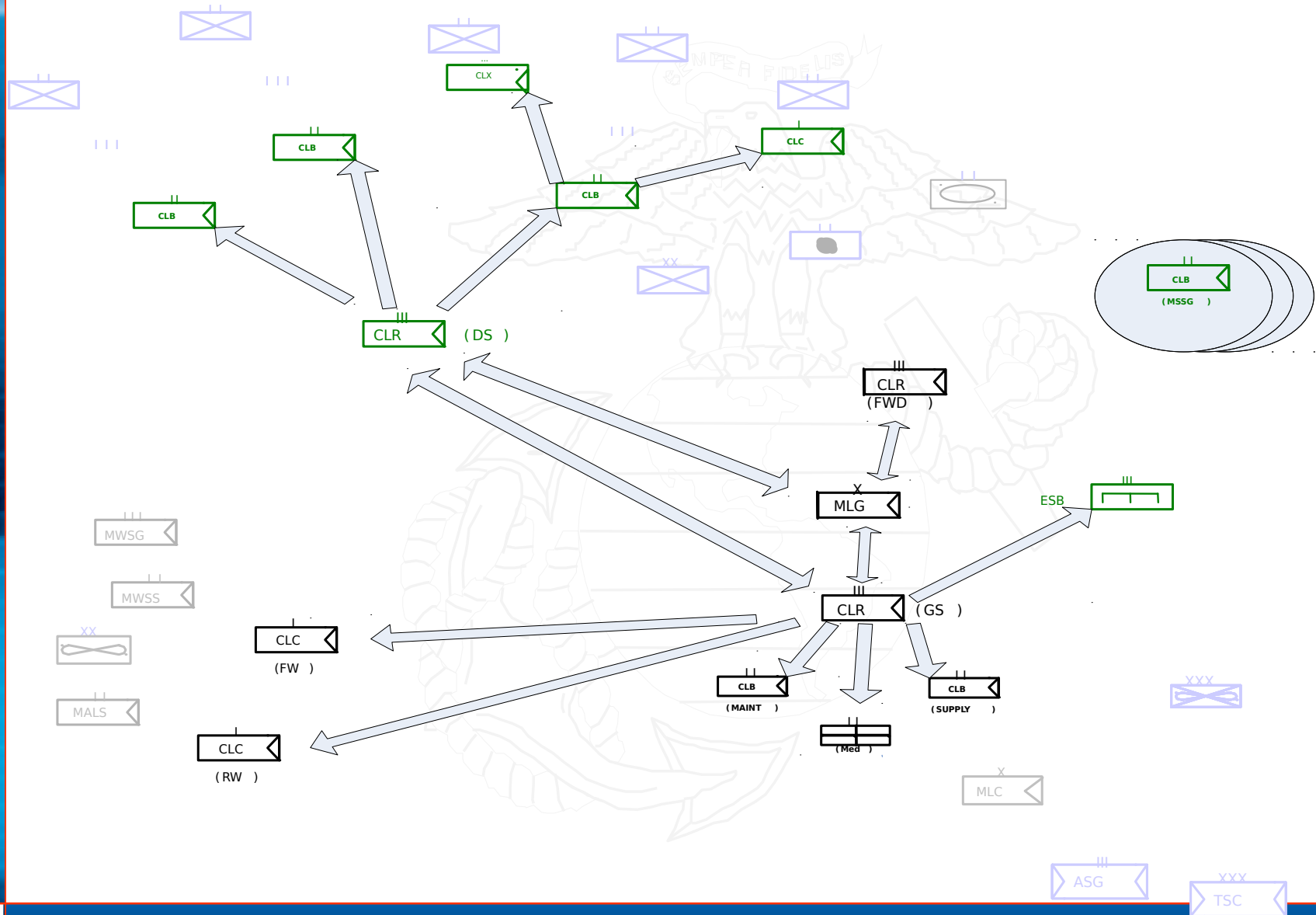
# C2 DECISION LOOP

## (Situational and Sustainment Framework)



# MLG Nodal Laydown

Logistics  
Modernization



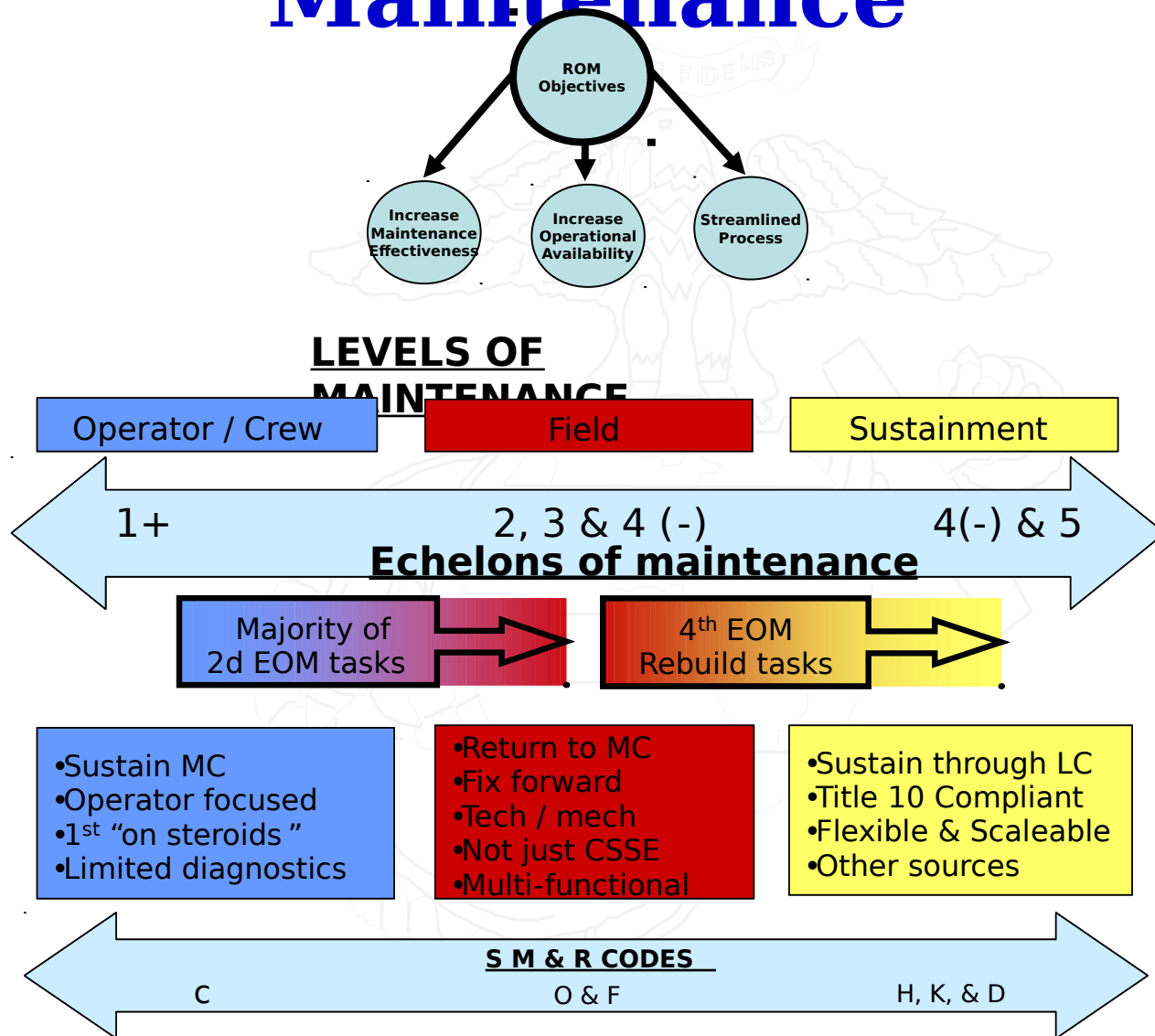


# Material Readiness Process Improvement

## Material Readiness Process Improvement

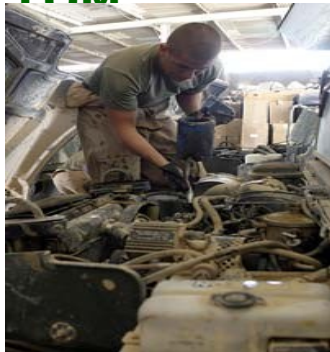
- **Realignment of Maintenance (ROM)**
- **Realignment of Supply (ROS)**
- **MAGTF Distribution**

# Realignment of Maintenance



# Realignment of Maintenance

## OPERATOR / CREW LOM



- Minimal Tools
- No Special Equipment
- On-Hand Inventory
- No Special Skills Training To Diagnose or Perform
- Able to Perform On Battlefield

## FIELD LOM 3 Levels of Maintenance



- Minimal Tools and Special Equipment
- Inventory Available W/I Time
- May Require Special Skills Training to Diagnose and Perform
- Must be Able to Perform On Battlefield

## SUSTAINMENT LOM



- Special Tools, Equipment, Skills Training Most Likely Required
- Inventory Available W/I Time
- May Need To be Performed In Theater

# Realignment of Maintenance

Update / Way Ahead

## **MCO 4790.1C - Maintenance Policy**

- **MCO 5215.1J - “the what”**
- **Marine Corps Maintenance Policy (MCMP)**
- **USMC Ground Maintenance Policy to support MAGTF Ops**
- **Crosses all phases of TLCM**
- **Draft in staffing via MCATS**

## **NAVMC (supports MCO 4790.1C)**

- **MCO 5215.1J - “the how”**
- **Ground Maintenance Management Execution**

**Policy -> Doctrine -> Continual DOTMLPF Assessment**

Requirements / Acquisitions / Legacy

# Realignment of Maintenance

## Update / Way Ahead

### **SM&R Code Change**

- **Acquisitions**
- **DoD Joint Policy**
- **Identifies authorized Levels Of Maintenance**

### **4<sup>th</sup> EOM Migration**

- **Directs maintenance tasks to Field or Sustainment LOM**
- **Initial development of PBA**
  - **Between LOGCOM and MARFORs**
- **Initial phase for SECREP Management**

### **Centralized SECREP Management Policy**

- **LOGCOM Lead Developer**
- **Finalize PBA**
- **Policy - MCO / NAVMC**

# Realignment of Maintenance

**Update / Way Ahead**  
**Continuing OPFOR Supporting Efforts**

**Field Maintenance Capability Alignment (FMCA) :  
Confirm / Concur**

- **Realigning Maintenance Capability To More Effectively Support MAGTF Ops**
  - **Phase I - Unique Ord TAMS - NLT 31 May**
  - **Phase II - Low Density MOS & Equipment - NLT 31 Aug**
  - **Phase III - Remaining Equipment - NLT 30 Nov**

**Task To TAMCN (T2T): Confirm / Concur**

- **Field Level Maintenance Task That May Migrate To Operator/Crew Level**
  - **Part 1 - No Add Tools/TRNG - NLT 31 May**
  - **Part 2 - Minimum Tools/TRNG - TBD**

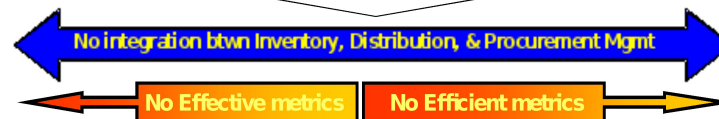


# Realignment of Supply

## Realignment of Supply

Current Three Levels of Supply

Wholesale/Vendors	Intermediate	Organizational
<ul style="list-style-type: none"> <li>• No outsourcing-VMI</li> <li>• No Strategic Alliances</li> <li>• Inefficient/nonexistent B2B EC</li> <li>• No enterprise-wide economies of scale</li> <li>• Ineffective ITV/TAV</li> <li>• No enterprise planning</li> </ul>	<ul style="list-style-type: none"> <li>• Redundant inventories</li> <li>• Multiple procurement activities</li> <li>• Disjointed distribution process-multiple stakeholders</li> <li>• No capacity planning</li> <li>• Ineffective/inefficient ITV/TAV</li> </ul>	<ul style="list-style-type: none"> <li>• Requisitioning</li> <li>• Receiving</li> <li>• Receipting</li> <li>• Inventory mgmt</li> <li>• Financial mgmt</li> <li>• Warehousing</li> </ul>



## Realignment of Supply

LogMod Levels of Supply

Sustainment (Wholesale/Retail)	Field (Organizational)
Supporting Unit(s)	Supported Unit
<ul style="list-style-type: none"> <li>• Outsourcing-VMI</li> <li>• Strategic Alliances-LOGCOM</li> <li>• B2B EC w/vendors</li> <li>• Mgmt of 3PL's</li> <li>• Enterprise-wide economies of scale</li> <li>• Enterprise planning</li> <li>• DVD's</li> <li>• ITV/TAV</li> </ul>	<ul style="list-style-type: none"> <li>• CSSE Migration-redundancies</li> <li>• Capacity planning for PCM, MCM, ICM &amp; DCM</li> <li>• CBPF</li> <li>• MAGTF-wide economies of scale</li> <li>• Financial mgmt</li> <li>• MDC-MM &amp; DM</li> <li>• MRP-DRP interface</li> </ul>



Less redundancies/improved relationships

## Logistics Modernization

- Automate / Migrate / Eliminate**

OCCFLD 3000 TASK ANALYSIS										Eliminate										OCCFLD 3000 TASK ANALYSIS									
										LEVEL OF SUPPLY																			
										LEGACY SYSTEM FUNCTION																			
										PROCESS										POLICY									
										OTHER										GCS-MCT									
ITS NO.										FUNCTION/TASK																			
TOTALS										508 0 0 0 0 0 0 0 0 0										0 0 0 0 0 0 0 0 0									
3002.08.06										ANALYZE BALANCE ANALYSIS REPORT										2NDLT 1									
3010.05.02										ANALYZE BALANCE ANALYSIS REPORT (BAR)										WD 1									
3002.08.13										ANALYZE THE UNIT PERFORMANCE REPORT (UPR)										2NDLT 1									
3010.01.08										CONDUCT SUPPLY SUPPORT OPERATIONS FOR A COMBAT SERVICE SUPPORT ELEMENT										WD 1									
3043.02.02										EVALUATE EFFICIENCY OF SUPPLY OPERATION										SSOT 1									
3010.01.09										EXECUTE AUTOMATED INFORMATION FUNCTIONS										WD 1									
3002.08.07										INFORM COMMANDING OFFICER OF STATUS OF SUPPLY OPERATION										2NDLT 1									
3010.05.03										INFORM COMMANDING OFFICER OF STATUS OF SUPPLY OPERATION										WD 1									
3002.08.10										MAINTAIN AUTOMATED SUPPLY SYSTEM/MAINFRAME FILES										2NDLT 1									
3010.05.05										MAINTAIN AUTOMATED SUPPLY SYSTEM/MAINFRAME FILES										WD 1									
3043.01.05										MAINTAIN CERTIFICATE OF RELIEF										SSOT 1									
3002.08.01										MAINTAIN COMMANDING OFFICER CERTIFICATE OF RELIEF										2NDLT 1									
3043.01.08										MAINTAIN CURRENT AUTHORIZATION FILE OF PERSONNEL AUTHORIZED TO RECEIPT/TURN IN MATERIAL										CBL 1									
3002.08.03										MAINTAIN LETTERS OF APPOINTMENT AND REVOCATION										2NDLT 1									

# Realignment of Supply

Update / Way Ahead

Logistics  
Modernization

## **Phase I - Organizational to Intermediate - Apr / May**

- **RoS Process Action Team**
  - **Assess supported unit supply functions/activities**
    - **All phases of deployment**
    - **All classes / types of supply**
  - **Confirm / Concur ROS PAT Results**
  - **Establish Supply Policy**
  - **Continual DOTMLPF Assessment**

## **Phase II - Intermediate to other sources - TBD**

- **Leverage current inventory management strategies**
  - **National Inventory Management Strategy (NIMS)**
  - **Ground Equipment Storage Program (GESP)**
  - **Strategic Logistics Asset Management (SLAM)**
  - **Consolidated Issue Facilities (CIFs)**
  - **Third Party Logistics Providers (3PL)**

# MAGTF Distribution

Logistics  
Modernization

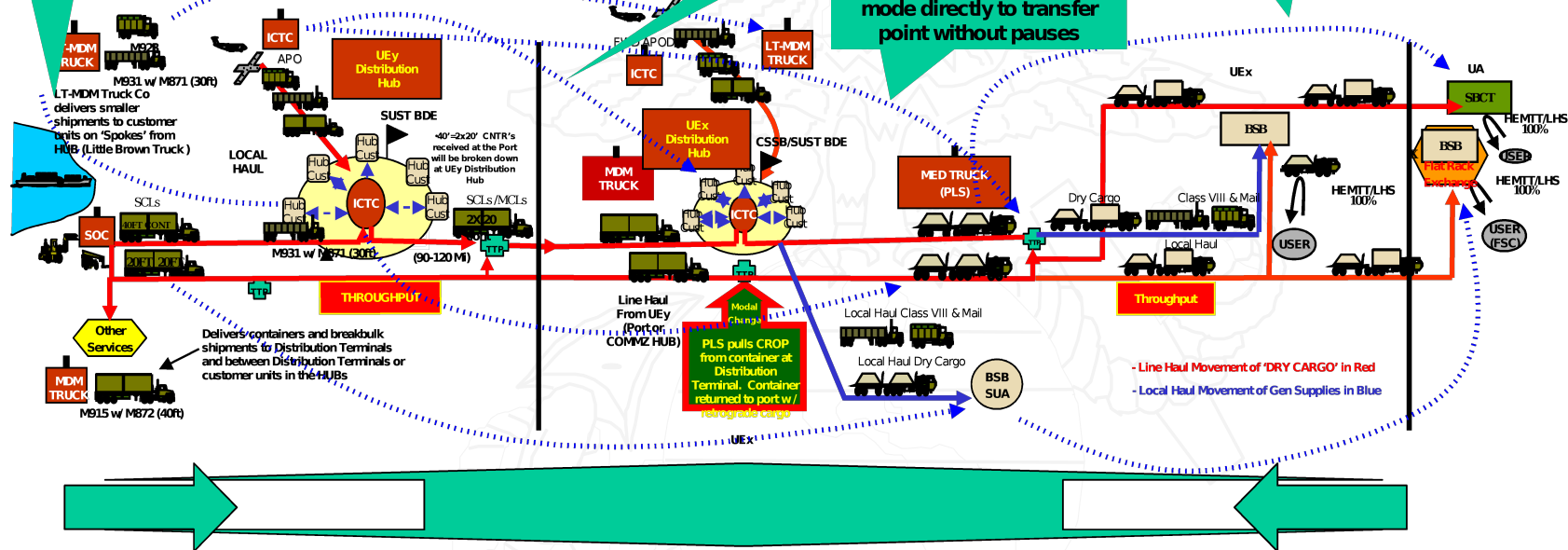
Move Unit Configured Loads directly into distribution pipeline

By-pass built up areas (hubs) to expedite delivery

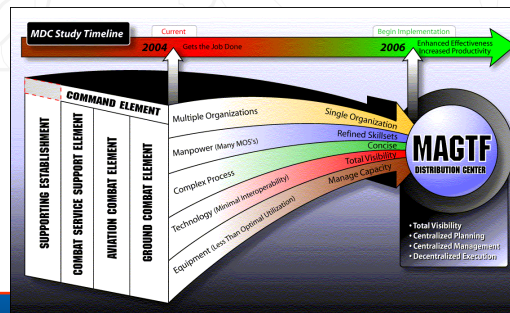
Direct delivery from one mode to another without reconfiguration

Provide end user supplies while bypassing traditional pipeline

Move supplies via single mode directly to transfer point without pauses



(Class: L I, II, III (P), IV, VI, VII, VIII, IX, MAIL, AND PACKAGED WATER)



# **MAGTF Distribution**

**Update / Way Ahead**

Logistics  
Modernization

## **Distribution: Capacity - Control - Certainty**

- **MAGTF Distribution Center / Material Distribution Company**
- **MAGTF Distribution Integrator**
- **In Transit Visibility / Total Asset Visibility**

**MAGTF Distribution Center Study - Complete**

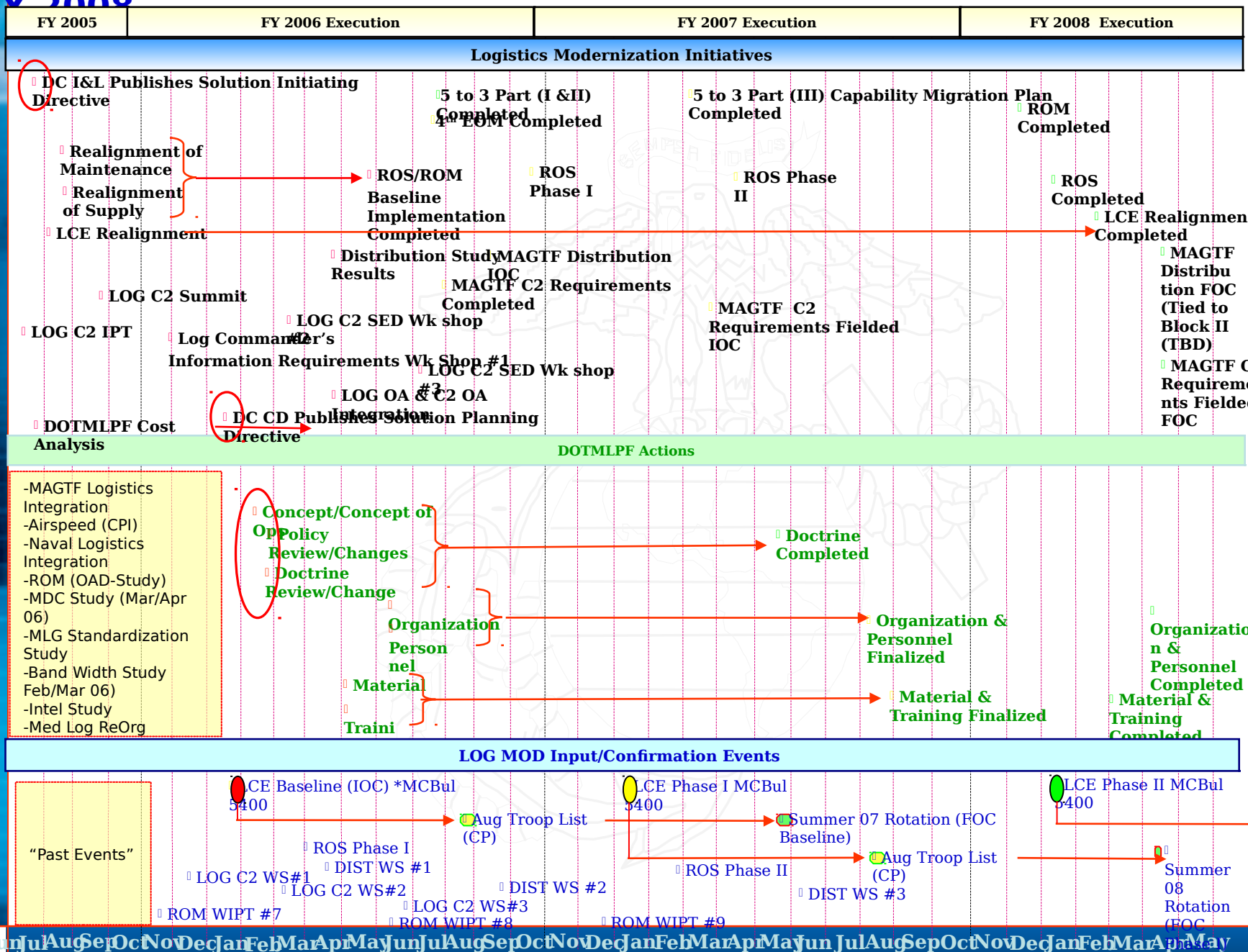
**MAGTF Distribution WIPT - May/June 2006**



# Logistics Modernization Execution Plan FY 2005 - FY 2008

FY 2008

Logistics Modernization



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May



# Questions???

